BRUHATH BANGALORE MAHANAGARA PALIKE

DASARAHALLI DIVISION

Name of work_ :- Development of park and Construction of watchmen room at Sidedahalli Govt. School Park in Dasarahalli zone.

SCHEDULE-B

Estimate Cost Rs ; 5810543.03 — **JOB CODE :014-20-000093**

Sl. No.	Description of Item	Unit	Quantity	Rates (in Rs.)	
				In Figures	In Words
1	KSRRB 200-8.Clearing and grubbing thorney jungle including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications.	Sqm	170.00	15.00	Rupees fifteen only
2	Removing and resetting of kerb stones	m	206.45	99.00	Rupees Ninty nine only
3	Removing and resetting of footpath slab	Sqm	307.26	180.00	Rupees one hundred and eighty only
4	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.	Cum	263.37	180.00	Rupees one hundred and eighty only
5	Earthwork For Hard Soil in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications, specification. No. KBS 2 .1 (a)/2.3.1	Cum	38.90	390.00	Rupees three hundred and ninty only
6	Earthwork for Oridinary soil in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications, specification. No. KBS 2 .1 (a)/2.3.1	Cum	258.54	300.00	Rupees three hundred only
7	100 mm and down nominal size	Cum	1.32	990.00	Rupees nine hundred and ninty only
8	40 mm nominal size	Cum	1.32	1000.00	Rupees one thousand only
9	20 mm nominal size	Cum	1.32	999.00	Rupees nine hundred and ninty nine only
10	6 mm nominal size	Cum	1.32	999.00	Rupees nine hundred and ninty nine only
11	Providing and laying reinforced cement concrete pipe NP2 for culverts including pointing ends, and fixing collars with cement mortar 1:2including cost of materials, labour, HOM complete as per specifications, curing complete as per specifications.	m	3.00	5500.00	Rupees five thousand and five hundred only

12	Sand filling in wells complete as per drawing and technical specifications including cost of all materials, labour, HOM, form works, scaffolding & centering complete as per specifications. MORTH Specification No. 1207	Cum	16.73	1900.00	Rupees one thousand and nine hundred only
13	Providing, laying, spreading and compacting cushed stone aggregates of granite /trap/basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406	Cum	137.14	1700.00	Rupees one thousand and seven hundred only
14	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1.4.2	Cum	25.03	5000.00	Rupees five thousand only
15	Providing and laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications.	Cum	35.27	5500.00	Rupees five thousand and five hundred only
16	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specification No. KBS 4.6.3	Tonne	0.66	68000.00	Rupees sixty eight thousand only
17	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications.	Sqm	97.67	350.00	Rupees three hundred and fifty only
18	Providing and constructing granite / trap / basalt size stone masonry do - cement mortar 1:6 in foundation with cement mortar, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13	cum	47.44	4450.00	Rupees four thousand and four hundred and fifty only

19	Providing and fixing pre cast solid cement concrete .erb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete.	No,s	260.33	390.00	Rupees three hundred and ninty only
20	Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force there by forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications. Specification No. KPS	Sqm	597.59	1100.00	Rupees one thousand and one hundred only
21	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free endsshall be welded to the pole and block pipe at top and bottom asrequired including cost of all materials, labour, lead and lifts and as per thedirections of the Engineer-in-charge of work including two coats of approvedquality paint over one coat o f shop paint, including cost of materials, labour,HOM complete as per specifications.	Sqm	127.74	690.00	Rupees six hundred and ninty only
22	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 mincluding removing the bends, cutting the pipe, and fixing pipe in between theexisting two verticle poles (M.S. rectangular poles) and spot welding the chainlink with M.S. block pipe including cost of all materials wastage in cutting,and scaffolding wherever necessary with all lead and lift as directed by theEngineer-in-charge of work etc., complete including two coats of approvedquality paint over one coat of shop paint, including cost of materials,labour,HOM complete as per specifications..	Mtr	368.26	390.00	Rupees three hundred and ninty only
23	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles m of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer-in - charge of the work and including providing 2 coats o f approved quality paint over one coat of shop painting (excluding cost o f earthwork and concrete) including cost of materials, labour, HOM complete as per specifications	m	55.00	790.00	Rupees three hundred and ninty only

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29	Providing and fixing M.S. Grill over existing ompound wall as per using 16mm x 16mm M.S. Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at -the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc.,	Sqm	159.08	5191.00	Rupees five thousand and one hundred and ninty one only
30	Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per	sqm	539.93	40.00	Rupees forty only
31	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surfacebrushing to give an even shade after cleaning oil, grease, dirt and otherforeign matter, including cost of materials, labour, complete as per specifications.	Sqm	1336.73	99.00	Rupees ninty nine only
32	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications.	sqm	107.14	80.00	Rupees eighty only
33	Providing and laying pre-cast drain cover slabs of 100mm thickness in C.M (1:3) including cost and of all materials, labour,curing transportaion loading and unloading etc. as per directions of the Engineer-in-charge of the work.(date rate approved)	sqm	7.20	1800.00	Rupees one thousand and eight hundred only
34	Providing and fixing RCC name board of size 1.35xk0.60x0.04 mtrs fixed in reinforced cement concrete poles of size 0.10x0.10x2.60mtrs in cement concrete M 20 proportion using 20mm and down size graded metal machine mixed with 10mm dia main steel bars and 8mm dia stirups. The board shall be provided with 12mm thick cement plaster in cement mortar 1:3 on both the sides. The poles shall be embedded in the ground for a depth of 0.5 mtrs with cement concrete M 10 proportion. The board shall be fixed as per the drawing and at the place indicated by the Engineer incharge of the work. The cost includes excavation, bare cost of all materials, cost of steel, centering, transportation charges, fixing charges, labour, HOM etc., The work shall be carried out as per the detailed specifications, drawings and directions of the	Each	0.00	0.00	Rupees four thousand and three hundred only
35	Fiber Dustbin SS Dustbin with Ms Pole 3ft	No,s	0.00	16500.00	
36	Fiber Dustbin Modern type Rabbit Dustbin 3.75ft	No,s	3.00	16500.00	Rupees sixteen thousand and five hundred only
37	Stone pagola: Providing and fixing of stone pargola by size of 1.20mt Width, 1.80mt length, 2.5mt ht by 3"X4" size single line dresses 4No.s Column and 2nos beam and 4 nos of rafters. Inclusive of fixing charges and transporatation and earthwork excavation (Data rate approved)	Nos	2.00	136000.00	Rupees one lakh thirty six thousand only

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38	Executive Bench : Made out of Sadarohally Grey Stone with hand supporters with 3 line finishing with arch Design with 100 mm Slab Height 90 x length 150 Width 45 Cms	No,s	31.00	17300.00	Rupees seventeen thousand and three hundred only
39	Supply and fixing of children play equiment maxima N Swing : Inverted U shaped structural posts of height 2.31m are to be schedule hot dip galvanized with a 114mm OD and 2.2mm (Wall) thickness of the Tubing toprail at Heigjht 2.31m and dia 114 mm shall be an all robtic welded uint fabricated 114 OD plastic Components such as swing seats super thickplastic shall be anminated and shall be rotationally molded from antistic copoymer virigin linear low density UV stabilized Polythyene with Colour molded in and minimum thickness of 6.8 mm the rates are to be inclusive of supply and installation at site inclusive of all taxes	Each	1.00	175000.00	Rupees one lakh seventy five thousand only
40	Supply and fixing of chilidren play equipment four seater seesaw The Seasaw Consists of two poles of dia 114mm and thickness of 2.5 mm which balances the horizontal rod at the center which is the size of 3110mm length and dia 114 mm with consists of a 4 seats which is made of LLDPE virigin plastic of size 305mm x 213mm x 125mm the rates are to be inclusive of supply and installation at site inclusive of all taxes and transportation charges	Each	1.00	95000.00	Rupees sixteen thousand and five hundred only
41	Supply and fixing of children multi play equipment with two slides monkey bar baffles with animated roof upright structural posts of height 2.2m and 3m are to schedule hot dip galvanized steel with 114mm OD and 2.2mm (wall) thickness of the tubing deck of size 1.45mx1.45m and stair case of size 1.05mx0.77m are fabricated from 2mm perforated solid punched steel deck perimeter is a precision pre punched for attachment handrail of height 1.90m and dia 32mm shall be an all robotic welded unit fabricated from 32 OD galvanized steel pipes with a baked on a powder coating finish spring climber of thickness dia 38mm piped walls of height 2.2m are all robotic welded fabricated from 32 OD galvanized steel pipes for the outer pipes and 25mm OD galvanized steel for the inner parallel bars with a baked on powder coat finish the rates are to be inclusive of supply and installation at site inclusive of all taxes and	Each	1.00	1002658.00	Rupees one lakh two thousand six hundred fifty eight only
42	Supply and fixing of children play equiment Fiero A swing : shaped structural posts of height 2.31m are to be schedule hot dip galvanized with a 114mm OD and 2.2mm (Wall) thickness of the Tubing toprail at Heigjht 2.31m and dia 114 mm shall be an all robtic welded uint fabricated 114 OD plastic Components such as swing seats super thickplastic shall be anminated and shall be rotationally molded from antistic copoymer virigin linear low density UV stabilized Polythyene with Colour molded in and minimum thickness of 6.8 mm the rates are to be inclusive of supply and installation at site inclusive of all taxes and transportation charges	Each	1.00	110892.00	Rupees one lakh ten thousand eight hundred ninty two only

E-1	KSRB,8.4;Providing and fixing Mangalore tile Roofing using first class tiles with necessary special Tiles for Ridges and hips wood reepers and pointed with cement morter 1;4 over the existing rafters including cost of materials, labour, curing complete as per specifications.Specification no;KBS 8.17	Sqm	34.84	1132.08	Rupees one thousand one hundred thity two and eight paisa only
E-2	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 50mm nominal OD pipes	Mtr	18.15	276.66	Rupees two hundred seventy six and sixty six paisa only
E-3	KSRB15-3.9 :Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (Pg No-116, I No-15.17 of PWD SR 2018-19)	Sqm	259.67	264.60	Rupees one hundreden eleven and paisa thirty eight only

Contractor

Executive Engineer
Project Division
Dasarahalli Zone